

WHAT IS CLAIMED IS:

1. A vaccine for preventing or retarding growth and replication of cancer cells that express a carbohydrate antigen, said vaccine comprising:

- 5       (a) a pharmaceutically effective amount of said carbohydrate antigen, or a mimetic of said carbohydrate antigen, wherein said carbohydrate antigen comprises Tn or sialyl Tn; and
- (b) a pharmaceutically acceptable carrier.

2.       The vaccine of claim 1, wherein said vaccine comprises a molecule comprising

10   multivalent Tn or sialyl-Tn epitopes.